

WHAT IS CLAIMED IS:

1. A motorized front derailleur mounting member comprising:
a bicycle frame mounting portion including a curved front surface with a threaded hole configured and arranged to be coupled to a bicycle frame;
a front derailleur mounting portion configured and arranged to be coupled to a linkage of a front derailleur, the front derailleur mounting portion including at least a first pivot point with a first pivot axis; and
a motor unit mounting portion configured and arranged to be coupled to a motor unit.
2. The motorized front derailleur mounting member according to claim 1, wherein
the bicycle frame mounting portion, the front derailleur mounting portion and the motor unit mounting portion are integrally formed as a one-piece, unitary member.
3. The motorized front derailleur mounting member according to claim 1, wherein
the motor unit mounting portion including an output shaft cutout that has a center axis that is substantially parallel to the first pivot axis of the first pivot point of the front derailleur mounting portion.
4. The motorized front derailleur mounting member according to claim 3, wherein
the threaded hole of the bicycle frame mounting portion includes a longitudinal axis that is substantially parallel to the center axis of the output shaft cutout of the motor unit mounting portion.
5. The motorized front derailleur mounting member according to claim 4, wherein
the output shaft cutout of the motor unit mounting portion is a hole surrounded by material of the motor unit mounting portion.
6. The motorized front derailleur mounting member according to claim 3, wherein

the output shaft cutout of the motor unit mounting portion is a hole surrounded by material of the motor unit mounting portion.

7. The motorized front derailleur mounting member according to claim 5, wherein

the front derailleur mounting portion further includes a second pivot point with a second pivot axis that is substantially parallel to the first pivot axis of the first pivot point.

8. The motorized front derailleur mounting member according to claim 1, wherein

the front derailleur mounting portion further includes a second pivot point with a second pivot axis that is substantially parallel to the first pivot axis of the first pivot point.

9. The motorized front derailleur mounting member according to claim 1, wherein

the motor unit mounting portion further includes a plurality of mounting parts.

10. The motorized front derailleur mounting member according to claim 9, wherein

the mounting parts of the motor unit mounting portion are threaded holes.

11. The motorized front derailleur mounting member according to claim 10, wherein

the bicycle frame mounting portion, the front derailleur mounting portion and the motor unit mounting portion are integrally formed as a one-piece, unitary member.

12. The motorized front derailleur mounting member according to claim 1, wherein

the bicycle frame mounting portion includes a projection that projects outwardly from a first side of the motorized front derailleur mounting member to a free end that forms the curved front surface with the threaded hole.

13. The motorized front derailleur mounting member according to claim 8, wherein

the front derailleur mounting portion is configured and arranged to form a fixing body having first and second link supporting parts being configured and arranged to define a link receiving space therebetween.

14. The motorized front derailleur mounting member according to claim 13, wherein

the first and second link supporting parts each include a first pivot pin mounting hole forming the first pivot axis of the first pivot point and a second pivot pin mounting hole forming the second pivot point.

15. The motorized front derailleur mounting member according to claim 14, wherein

the first and second link supporting parts are configured and arranged such that the first and second link supporting parts are spaced different at the first pivot pin mounting holes than at the second pivot pin mounting holes.

16. The motorized front derailleur mounting member according to claim 1, wherein

the first pivot axis of the first pivot point passes through the threaded hole.

17. A motorized front derailleur assembly comprising:

a motorized front derailleur mounting member including

a bicycle frame mounting portion including a front surface
with a threaded hole configured and arranged to be
coupled to a bicycle frame,

a front derailleur mounting portion configured and arranged
to form a fixing body having first and second fixed
pivot points, and

a motor unit mounting portion configured and arranged to
be coupled to a motor unit;

a chain guide having first and second shifted pivot points;

a first link having a first end pivotally coupled to the first fixed pivot point of the fixing body and a second end pivotally coupled to the first shifted point of the chain guide; and

a second link having a first end pivotally coupled to the second fixed pivot point of the fixing body and a second end pivotally coupled to the second shifted point of the chain guide.

18. The motorized front derailleur assembly according to claim 17, wherein

the bicycle frame mounting portion, the front derailleur mounting portion and the motor unit mounting portion are integrally formed as a one-piece, unitary member.

19. The motorized front derailleur assembly according to claim 17, wherein

the motor unit mounting portion including an output shaft cutout that has a center axis that is substantially parallel to the first pivot axis of the first pivot point of the front derailleur mounting portion.

20. The motorized front derailleur assembly according to claim 17, wherein

the bicycle frame mounting portion includes a projection that projects outwardly from a first side of the motorized front derailleur mounting member to a free end that forms the front surface with the threaded hole.